

Amendments to the Claims

The listing of claims will replace the previous version, and the listing of claims:

Listing of Claims

1. (cancelled)

2. (currently amended) An image processing apparatus ~~according to claim 1~~ comprising:

input image data storing means for storing a plurality of input image data read for each of more than two color constituents;

first correction value storing means for storing a plurality of correction values constituted by a plurality of correction value data for sequentially correcting the input image data in units of each color constituent;

data order setting means for storing the correction value data from this first correction value storing means into a second correction value storing means in a data order according to a command that specifies output order of the color constituents;

correction operation means for sequentially correcting the input image data from the input image data storing means for each color constituent based on correction value data from the second correction value storing means; and

output image data storing means for storing and outputting corrected image data from this correction operation means,

wherein said data order setting means is operation means that resorts the data order of the correction value data from said first correction value storing means.

3. (currently amended) An image processing apparatus ~~according to claim 1~~ comprising:

input image data storing means for storing a plurality of input

image data read for each of more than two color constituents;

first correction value storing means for storing a plurality of correction values constituted by a plurality of correction value data for sequentially correcting the input image data in units of each color constituent;

data order setting means for storing the correction value data from this first correction value storing means into a second correction value storing means in a data order according to a command that specifies output order of the color constituents;

correction operation means for sequentially correcting the input image data from the input image data storing means for each color constituent based on correction value data from the second correction value storing means; and

output image data storing means for storing and outputting corrected image data from this correction operation means,

wherein said data order setting means is address translating means provided between said first correction value storing means and said second correction value storing means.

4. (currently amended) An image processing apparatus ~~according to claim 1~~ comprising:

input image data storing means for storing a plurality of input image data read for each of more than two color constituents;

first correction value storing means for storing a plurality of correction values constituted by a plurality of correction value data for sequentially correcting the input image data in units of each color constituent;

data order setting means for storing the correction value data from this first correction value storing means into a second correction value storing means in a data order according to a command that specifies output order of the color constituents;

correction operation means for sequentially correcting the

input image data from the input image data storing means for each color constituent based on correction value data from the second correction value storing means; and

output image data storing means for storing and outputting corrected image data from this correction operation means,

wherein said first correction value storing means is constituted by memory means that has stored a plurality of correction values in a data order corresponding to a command that specifies the output order of said color constituents, and said data order setting means is correction value specifying means that selects a single correction value from the memory means.

5. (currently amended) An image processing apparatus ~~according to claim 1~~ comprising:

input image data storing means for storing a plurality of input image data read for each of more than two color constituents;

first correction value storing means for storing a plurality of correction values constituted by a plurality of correction value data for sequentially correcting the input image data in units of each color constituent;

data order setting means for storing the correction value data from this first correction value storing means into a second correction value storing means in a data order according to a command that specifies output order of the color constituents;

correction operation means for sequentially correcting the input image data from the input image data storing means for each color constituent based on correction value data from the second correction value storing means; and

output image data storing means for storing and outputting corrected image data from this correction operation means,

wherein said image data is constituted by color constituents of three primary colors, said correction values are constituted by more

than two correction value data for each of the three color constituents, and said correction operation means is constituted by matrix operation means.

6-11. (cancelled)